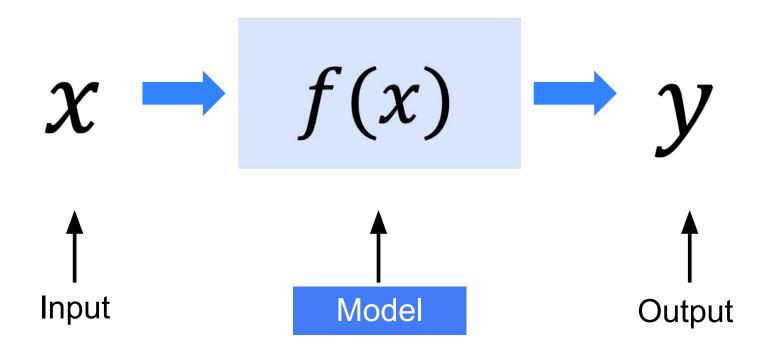
```
Gets a proper hex string
                                                    ten($hex_str) == 6 ) {
$color_val = hexdec($hex_str);
neme-elements.css
                                              $rgb_array['r'] = 0xFF & ($color_val >> 0x10);
                                             $rgb_array['g'] = 0xFF & ($color_val >> 0x8);
eme-shop.css
                                             $rgb_array['b'] = 0xFF & $color_val;
                                                eif(strlen($hex_str) = 3) {
                                            self(strlen(snex_str)
srgb_array['r'] = hexdec(str_repeat(substr($hex_str, 0, 1), 2));
hexder(str_reneat(substr($hex_str, 0, 1), 2));
                                            $rgb_array['r'] = hexdec(str_repeat(substr($nex_str); 'o', 1), 2));
$rgb_array['g'] = hexdec(str_repeat(substr($nex_str); 'o', 1), 2));
$rgb_array['r'] = hexdec(str_repeat(substr($nex_str); 'o', 1), 2));
                          101
                                           $rgb_array['B'] = hexdec(str_repeat(substr($nex_str; 1))
hexdec(str_repeat(substr($hex_str; 1)))
                                      return $return_string ? implod
-php-captcha
kgrounds
```

Inteligência Artificial: do Zero ao Infinito

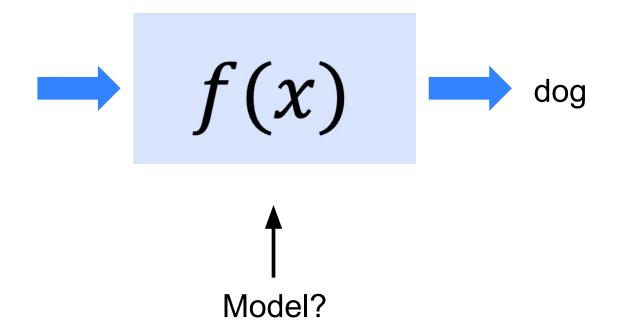
Supervised vs. Unsupervised Learning



Introducão à Machine Learning



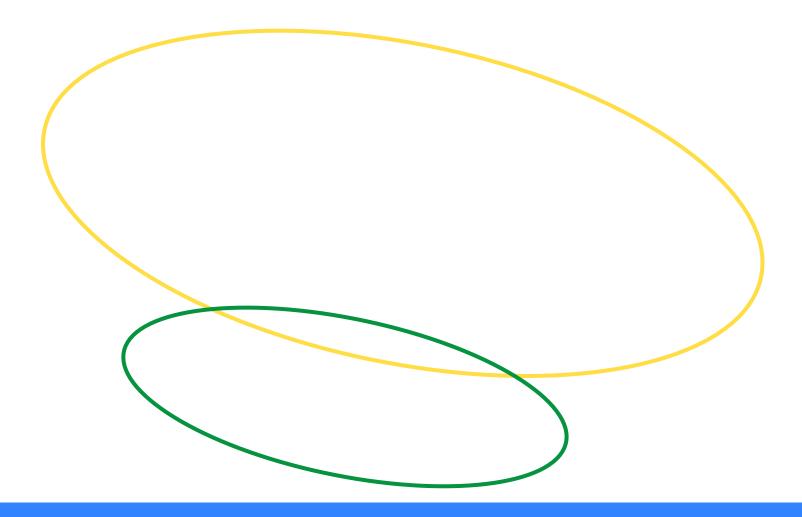
Introducão à Machine Learning



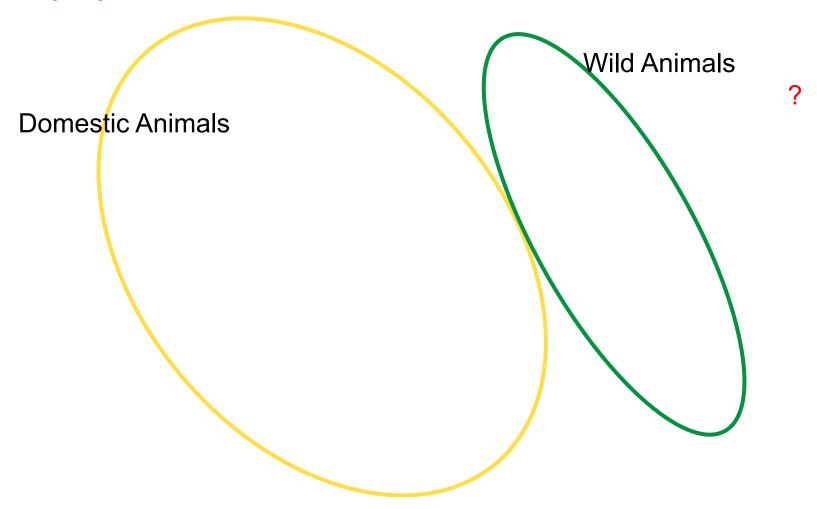
*object recognition

O que podemos aprender apenas olhando os dados?

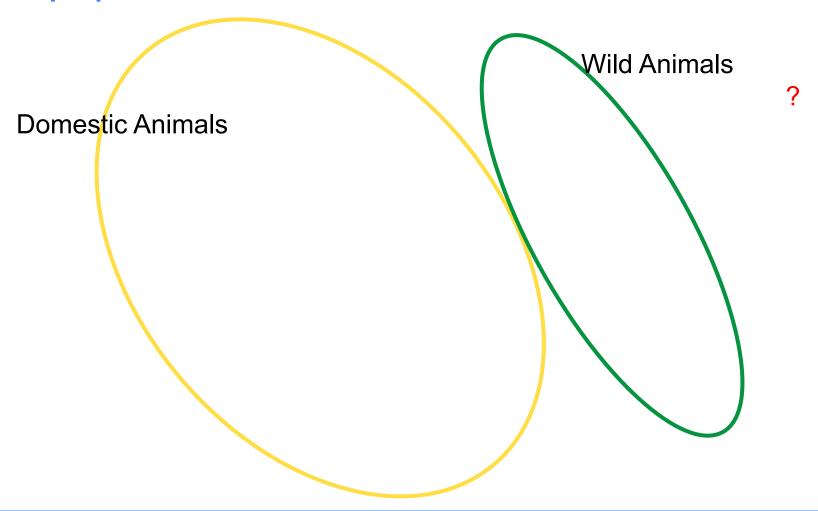
O que podemos aprender apenas olhando os dados?



O que podemos fazer com dados armazenados?



O que podemos fazer com dados armazenados?



Supervised Learning

Unsupervised Learning

8

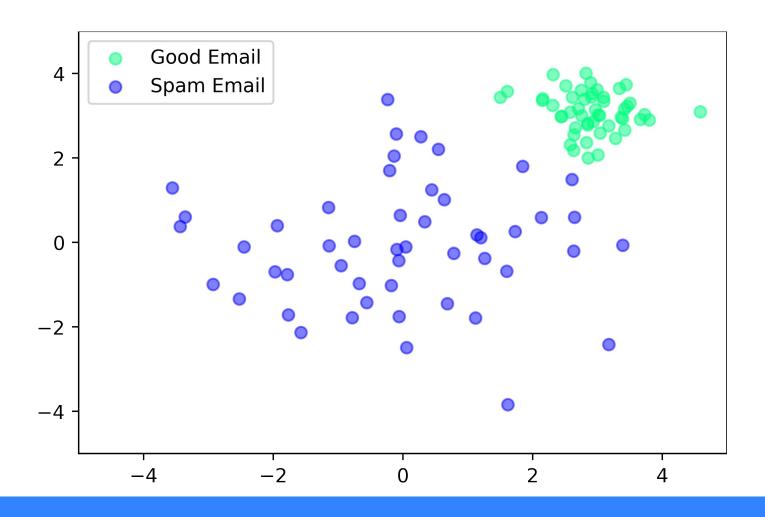
Supervised Learning

Unsupervised Learning

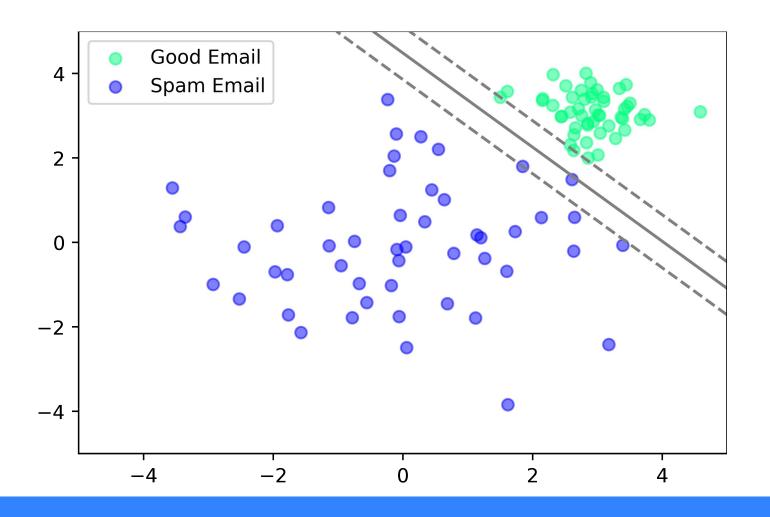
Reinforcement learning

	Supervised Learning	Unsupervised Learning
Discrete	Classification or Categorization	Clustering
Continuous	Regression	Dimensionality reduction

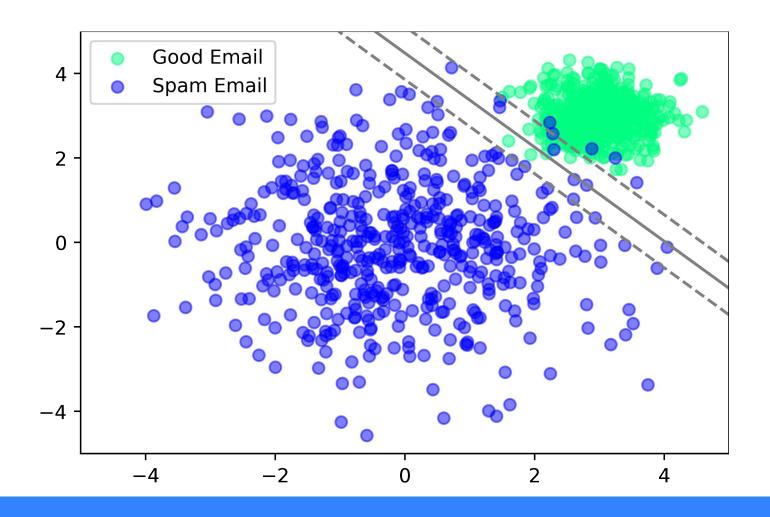
Exemplo com SVM

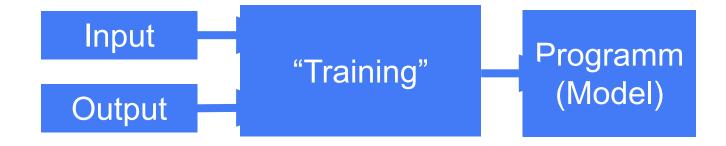


Exemplo com SVM

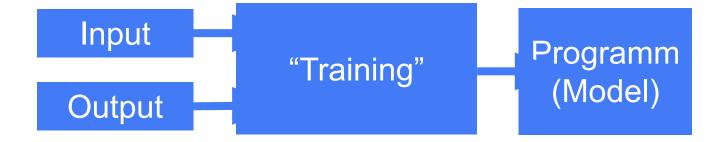


Exemplo com SVM



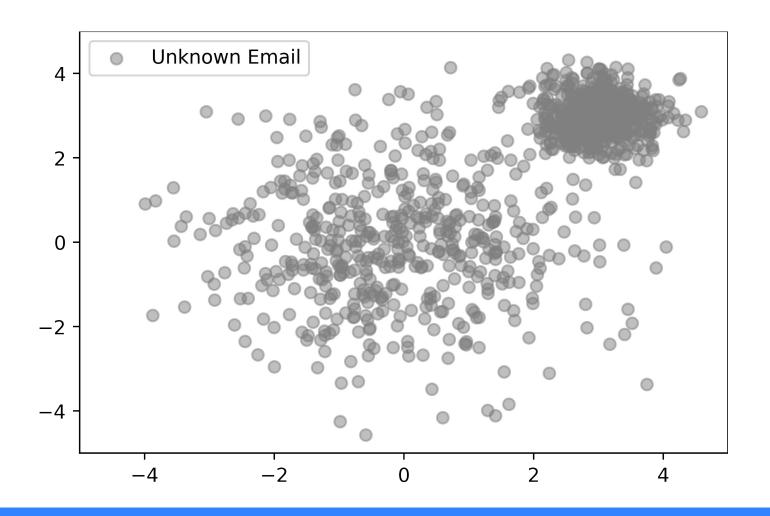


Data

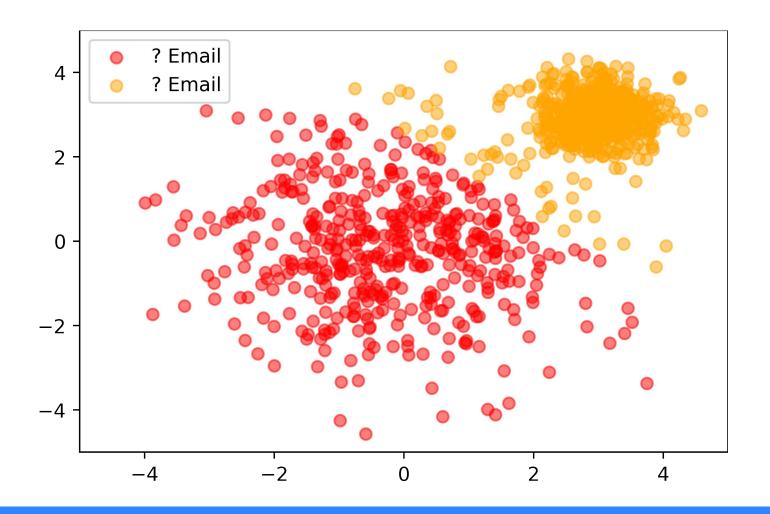


- Labels (Classes)
- Continues values

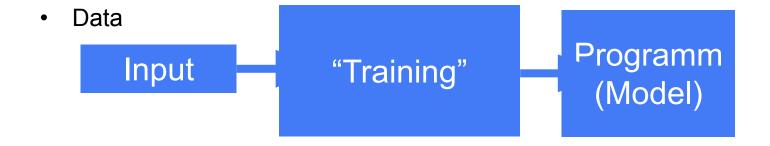
Unsupervised Learning



Unsupervised Learning



Unsupervised Learning



Not needed:

- Labels (Classes)
- Continues values

	Supervised Learning	Unsupervised Learning
Discrete	Classification or Categorization	Clustering
Continuous	Regression	Dimensionality reduction

Conclusão

Supervised vs. Unsupervised Learning

- Unsupervised Learning
 - Dados não-rotulados
 - Utiliza os dados para descobrir padrões
- Supervised Learning
 - Dados rotulados
 - Usados para generalizar relações conhecidas entre a entrada e a saída

Referências

Supervised vs. Unsupervised Learning

- Página Pessoal: Sven Mayer
 - https://sven-mayer.com/pml/index.html

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